STATEMENT-III

(Rs. in Lakhs)

S.No.	State/UT	Allocation
1.	Andhra Pradesh	6618.00
2.	Arunachal Pradesh	1200.00
3.	Assam	2026.00
4.	Bihar	7795.00
5.	Goa	189.00
6.	Gujarat	3882.00
7.	Haryana	1451.00
8.	Himachal Pradesh	1303.00
9.	Jammu & Kashmir	3652.00
10.	Karnataka	6037.00
11.	Kerala	3095.00
12.	Madhaya Pradesh	7327.00
13.	Maharashtra	8810.00
14.	Manipur	440.00
15.	Meghalaya	672.00
16.	Mizoram	337.00
17.	Nagaland	422.00
18.	Orissa	3468.00
19.	Punjab	1105.00
20.	Rajasthan	7256.00
21.	Sikkim	372.00
22.	Tamilnadu	5247.00
23.	Tripura	418.00
24.	Uttar Pradesh	12278.00
25.	West Bengal	4740.00
26.	A&N Islands	25.00
27.	D & N Haveli	15.00
28.	Daman & Diu	10.00
29.	Delhi	30.00
30.	Lakshdweep	0.00
31.	Pondicherry	20.00

Meteorological Centre

4236. SHRI UDDHAB BARMAN : Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state :

(a) whether the proposal to upgrade the existing Meteorological Centre at Gauhati to a Regional Meteorological Centre with full administrative and technical control of units in different States in North Eastern Region is yet to be executed;

(b) if so, the reasons for non execution; and

(c) the time-frame by which this regional Meteorological Centre will start functioning?

THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI YOGINDER K. ALAGH) : (a) to (c). The proposal for upgradation of the existing Meteorological Centre at Guwahati to a Regional Meteorological Centre is at present not approved but is receiving the atten of Government. Action will be taken after Government decision is taken.

Development of Indigenous Technology

4237. DR. RAMESH CHAND TOMAR : Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state :

(a) whether DSIR has evolved a scheme namely 'programme aimed at technological self reliance (PATSER);

(b) if so, the details thereof; and

(c) the time by which the scheme is likely to be implemented?

THE MINISTER OF STATE OF THE MINISTRY OF PLANNING AND PROGRAMME IMPLEMENTATION AND MINISTER OF STATE OF THE MINISTRY OF SCIENCE AND TECHNOLOGY (SHRI YOGINDER K. ALAGH) : (a) Yes, Sir.

(b) The Programme Aimed at Technological Self Reliance (PATSER) of DSIR has the following principal objectives;

(i) Supporting industry for the absorption & upgradation of foreign technology.

(ii) Building indigenous capabilities for the development and commercialisation of contemporary products and processes of high impact.

(iii) Involvement of national research organisations in joint projects with industry.

The DSIR under its PATSER scheme has so far approved 58 research, development, design and engineering (RDDE) projects involving a DSIR support of Rs. 18 crores out of a total project cost of Rs. 44 crores. Of these projects today, 51 projects are on-going involving a DSIR support of Rs. 17 crores out of a total project cost of Rs.41 crores. The titles of the projects are given in statement. Some of the these projects are undertaken by industrial companies on their own, while others involves collaborative work between industrial companies and public funded R&D institutions. The DSIR funding in individual projects varies from 30% to 50% depending on the size of the project, the degree of technological and/or commercial risk involved and linkages with other national research organisations. During 1994-96, the project support given by DSIR was around Rs. 10 crores while the level of support for

1996-97 is Rs. 12 crores. The projected turnovers as a result of projects nearing completion is expected to be Rs. 40 crores in 1996-97, Rs.100 crores in 1997-98 and Rs.150 crores in 1998-99.

The partial financial support by DSIR primarily covers :

- Product design/process simulation/know-why studies.
- Raw materials, components, consumables, making prototypes or building up of pilot plant, experimentation and upscaling/optimisation of processes.
- Testing and evaluation, field trials/user trials.
- Research consultancy/research assistance to the industrial companies undertaking the projects from National Research Organisations and Institutions.

The distinctive features of Patser funding are: (a) that many for the projects involve government R&D laboratories, IITs or Universities as partners along with the concerned industrial companies; and (b) the products/ processes chosen for development are state-of-the-art with a strong eye on international patentablility and exports.

Project proposals are invited by DSIR through advertisements in leading newspapers and industry journals, discussions with Industry Ministries of the Govt. of India, by periodically contacting In-house R&D Units recognised by DSIR, by holding workshops with industry & industry associations in various parts of the country, etc. The project proposals are submitted to DSIR in the relevant format as given in the "Guidelines for Project Support", an information booklet issued by DSIR. Thereafter, the project proposals are examined and screened in the department. The proposals which pass this initial scrutiny are considered by the Technical Advisory Committee (TAC) of the PATSER for support. Based upon the recommendations of the TAC, the project is sanctioned and necessary Agreements and MOUs are signed by the concerned executing/collaborating agencies with DSIR and NRDC.

(c) The PATSER was approved at the time of commencement of the Eighth Five Year Plan in 1992 and is currently in progress.

STATEMENT

Programmes aimed at technological self reliance (PATSER)
List of projects supported during 1992-93 to 1995-96

S.No.	Name of Project	Executing Agency	Collaborating Agency
1	2	3	4
	Projects Completed/closed		
1.	Dev. of 25 KW Solar Photo Voltaic Pilot Power Plant	CEL, Sahibabad	-
2.	Demonstration of SPV Plant at M.S. Swaminathan Research Foundation Madras.	CEL, Sahibabad	-
3.	Development of CNC Tool and Cutter Grinder	Praga Tools Ltd., Hyderabad.	-
4.	Development and field testing of soil micro nutrients	CSME, Calcutta	National Fertilizer Ltd., Delhi
5.	Development of Detonating Card for Shaped Charges	IBP, Gurgaon	-
6.	Upgradation of 200 HP Front End Loader	BEML, Bangalore	-
7.	Redesign of Down Draft Kiln for Ceramic Production	Andhra Pradesh Industrial & Technical Consultancy Organisation Ltd., Hyderabad	-
	Ongoing Projects		
1.	Development of complete process engineering and CG Package for synthetic rutile based environmental friendly process	Travancore Cochin Chemical Ltd., Thiruvananthapuram	Regional Research Lab, Thiruvananthapuram and Sponge Iron India Ltd., Hyderabad and ER&DC, Trivandrum.

1	2	3	4
2.	Development of special purpose Capital Goods for manufacture of Conical Drums	Balmer Lawrie & Co. Ltd., Calcutta	-
3.	Development of hydraulic automatic gauge control	MECON, Ranchi	
4.	Recovery of Chlorides Nb & rutile from effluents	KMML, Quilon	
5.	Development of Site Mixed Slurry for Deep Bore Hole application.	IBP, Gurgaon	-
6.	Upgradation of Emulsion Explosives	IBP, Gurgaon	-
7.	Development of Heat Resistant Explosives	IBP, Gurgaon	CMRI, Dhanbad
8.	Upgradation of 50 Ton dumper	BEML, Bangalore	-
9.	Development of 400 KV & 765KV Self Supporting & Guyed Type Transmission Line Towers	Triveni Sturcturals Ltd., Naini	SERC, Madras
10.	Dev. of Xenon/Krypton filled lamps for laser pumping	Litex Electricals Pvt. Ltd., Pune	SAMEER, Bombay
11.	Dev. of Chemical leaching technology for removal of Cao in Bauxite for production of refractories	Orissa Industries, Rourkela	IIT, Kharagpur
12.	Dev. of Plasma based dissociation process to manufacture high purity Zirconia.	C.S. Zircon Pvt. Ltd. Kala Amb.	IPR, Ahmedabad
13.	Dev. of Controller for Switched Relectance motor	ER&DC, Thiruvananthapuram	Jyoti Ltd., IISc., Bangalore IIT, Delhi.
14.	Demonstration of Column flotation technology for improvement of beneficiation of composite ores.	Gujarat Mineral Development Corpn.	-
15.	Slow Release Fertilizers	FACT, Cochin	Agriculture Universities in Trichur and Coimbatore.
16.	Dev. of Hybrid (SPV+Diesel) Power Plant	CEL, Sahibabad	-
17.	Dev. and Evaluation of Plasma Etching and Edge Grinding Systems for Edge preparation.	CEL, Sahibabad	-
18.	Development of ASICs for Line Card and Conference Card.	SCL, Chandigarh	C-DOT, New Delhi
19.	Underburden Probe for blast furnace	MECON, Ranchi	DSO, Durgapur
20.	Welding of Molybedenum Wire to make 20 Kg. coil	MIDHANI, Hyderabad	-
21.	Bulk filtration of liquid metal in alloy steel manufacture.	MIDHANI, Hyderabad	-
22.	Wires with High Surface finish.	MIDHANI, Hyderabad	-
23.	Pilot scale production of speacial grade Alumina & Alumina hydrates from Bayer alumina/hydrate.	NALCO, Bhubaneswar	-
24.	Dev. of Pigment Grade Ferric Oxide from 'blue dust'	NMDC, Hyderabad	IICT, Hyderabad
25.	Development and Demonstration of Technology for recovering Copper Sulphate from Zinc Production Plant Wastes simultaneously with Cobalt metal.	Hindustan Zinc Ltd. Udaipur	-
26.	Dev. of improved Industrial gas burner (Jointly supported by GAIL)	Encon India Ltd.	IIP, Dehradun
27.	Bio Composts	T.Stanes &Co.Ltd. Coimbatore	-
28.	Manufacture of Long Chain (C10-C14) Alcohols by oxidation of n-Paraffin in the production of Linea Alkyl Benzene (LAB)	Tamilnadu Petroproducts Ltd., Madras	IIP, Dehradun

1	2	3	4
29.	Development of Fuel Oil Additive	Tamilnadu Petroproducts Ltd., Madras	IIP, Dehradun
30.	Residual Effect of Slow Release Micronutrient fertilizer - Zinc Poly-phosphate	CSME, Calcutta	-
31.	Rubber seal cladded with PTFE for dam gates	Thungabhadra Steel Products Ltd., Tungabhadra Dam	-
32.	Low Cost Gas Turbine	Turbotech Precision Engg. Pvt. Ltd., Bangalore	NAL, Bangalore & HAL, Lucknow
33.	Development of 10 T class backhoe hydraulic excavator - Crawler versio model EC10 and Wheeled version model EW10.	BEML, Bangalore	-
34.	Development of Micro-processor based transmission control for off-high way dump trucks.	BEML, Bangalore	ER&DC, Thiruvananthapuram
35.	Development of Cast Crankshafts for High Powered Engines.	BEML, Bangalore	-
36.	Rough Top Rubber Conveyor Belting	Andrew Yule & Co. Ltd., Calcutta	-
37.	Moisture Meter	ECIL, Hyderbad	CRRI, New Delhi
38.	Dev. of 12 KV Load Break Switch	G.K. Electricals Lltd., Bhopal	CPRI, Bhopal
39.	Dev. of IGBT based Controller for forklifts	Punjab Tractors Ltd., Mohali	Cromption Greaves Ltd., Bombay
40.	ASIC for GIST II	C-DAC, Pune	SCL, Chandigarh
41.	Development of ASICs for microprocessor based power controller (jointly supported by DOE)	ER&DC, Thiruvananthapuram	SCL, Chandigarh
42.	Dev. of ASICs for STD PCO machine(jointly supported by DOE)	-do-	-do-
43.	Dev. of Application Specific Integrated Circuits for MPEG-2 Decoder. (Jointly supported by DOE)	IRDL, Madras	SCL, Chandigarh
44.	ASICs & ASICs based Electronic Energy Meter	BHEL, Bangalore	SCL, Chandigarh
45.	Dev. of Solid State Interlocking System for Railways	CEL, Sahibabad	C-DAC, Pune
46.	Techonology upgradation of Rice Husk Board plant and development of jute fabric reinforced board and fire check doors based on Rice Husk as also of Boards based on coconut/palm leaf/stem-based Boards.	Padmavathi Panel Boards Ltd., Bangalore	-
47.	Dev. of STD PCO machine with micro controller based ASIC (MBA)	Semiconductor Complex Ltd., Chandigarh	-
48.	Dev. of 460 HP Wheel Dozer	BEML, Bangalore	-
49.	Techonology absorption and upgradation of SPV Cell manufacture	CEL, Sahibabad	-
50.	Upgradation of short circuit level of existing Air circuit breaker of range 250A - 2000A for the fault level of 50 KA/70 KA at 415V/500V by optimising the contact dynamics	JSL Industries Ltd., Vadodara	ERDA, Vadodara
51.	Development & Demonstration of Liquid phase oxidation process for Hydrogen Sulphide removal and recovery of Sulphur from Sour gases.	Guj. Narmada Fertiliser Corp.	EIL, ONGC